

FERROMETAL



**PARTITIONS
FOR
MODERN
BUILDINGS**



MILWAUKEE STAMPING COMPANY
M I L W A U K E E » W I S C O N S I N



MODERN PARTITIONS

Company • Product • Service

20
19

The purposes of this catalog are to set forth clearly, both in detail and specifications, essential data and information regarding metal partitions and doors for comfort rooms, shower and dressing rooms. It shows the wide and economical adaptability of Ferrometal design to modern building requirements.

This Company has had over 40 years of wide experience in metal fabrication, and is in a position to substantially back its product. This is demonstrated by its high financial rating.

Plant

Plant facilities are large, 150,000 square feet of production area, furnished with modern equipment for metal fabrication and finishing.

Product

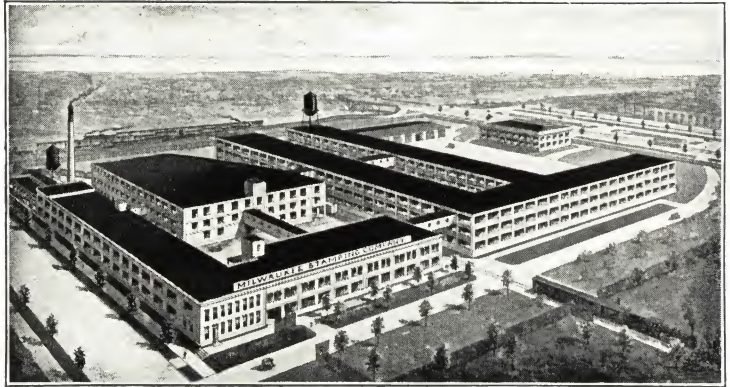
A result of constant research and improvement in design and fabrication, Ferrometal Partitions kept abreast of the increasingly exacting demands for appearance and construction in the important field of sanitation.

Ferrometal Types of Partitions

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Architectural Service

Ferrometal can offer the service of selected and experienced representation in over 100 key cities throughout the country (see back of cover for your local representative). Complete information regarding Ferrometal products, samples, detail drawings, consultation and advice relative to the usual and unusual problems and comparative cost data can be supplied promptly.



Factory Engineering Service

Ferrometal can offer suggestions for the practical adoption of Ferrometal partitions to many different types of installation. Special prepared bulletin and details on suggestions for following class of buildings are available upon request:

- Schools, Educational Buildings, Dormitories
- Commercial and Office Buildings
- Factories and Industrial Buildings
- Social and Recreational Buildings
- Hospitals and Clinic Buildings
- Post Offices and Government Buildings

Performance

Satisfaction of thousands of architects and contractors throughout the country is Ferrometal's indorsement as the modern partition for schools of all types, government buildings, office buildings and industrial plants. More conclusive are the continued specification and use of Ferrometal by the same architects, contractors and owners.

LOCAL REPRESENTATIVE

MILWAUKEE STAMPING COMPANY

Milwaukee, Wisconsin

FERROMETAL PARTITIONS

BATHE-RITE SHOWER CABINETS

LAWSON MILWAUKEE BUILDERS HARDWARE



FOR MODERN BUILDINGS

Modern Comfort Rooms

20
19

Properly equipped comfort rooms invite sanitation and promote cleanliness. The modern effect can be substantially improved by using Ferrometal Partitions, designed for the purpose.

Flush Top

Ferrometal Flush Top offers a continuous flush appearance across the top of the enclosure. Void of all headrail or overhead structure Ferrometal Flush Top is especially recommended for Class A buildings where modern appearance and moderate cost are desirable. Especially suitable for T-type partition construction in combination with metal doors. Finished in solid or two tone color and furnished with full polished chrome plated hardware throughout. This type of construction has the advantages of inviting appearance, sanitary cleanliness, moderate initial investment, and low maintenance cost.

Flush Construction

Ferrometal Flush Steel or Aluminum partitions and doors are similar in construction to the high quality Flush Top. The overhead rail and vertical posts are an essential part of this design. Well recommended for Class A buildings, schools, institutions, offices and public buildings of all types. Used extensively by the U. S. Government in Post Offices, Federal Buildings, Penal Institutions, Hospitals, etc. All Flush partitions have the outstanding advantage of a continuous smooth 1 in. thick surface of metal, eliminating the danger of cracking or chipping and discoloration.

Panel Construction

Ferrometal Panel Partitions in Steel or in Aluminum are ideal for the sanitary facilities of all types of buildings and are recommended for toilet compartments, shower enclosures, dressing enclosures, entrance screens, sink enclosures, mop and equipment storage enclosures and any installation where sturdy, silent and sanitary construction is required. Ferrometal Panel Partitions are popular priced of unusually strong construction. Sanitary features in Ferrometal design allow easy cleaning, and avoid all unnecessary fluting or moulding which might catch and hold dirt or dust. No open joints or buckling of panels possible.

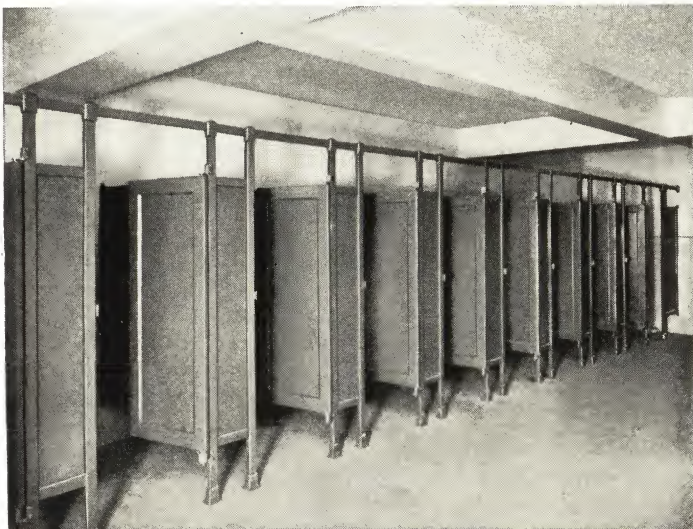
Fittings

Fittings throughout are furnished in drawn metal having many times the strength of ordinary cast metal. Minimum floor connections eliminate unsightly corners and crevices. Wall connections are furnished to allow a wall clearance of approximately 1 in. and facilitate cleanliness and ample flexibility for mounting on all types of walls with wainscoting.

All partitions and doors are custom built to final field dimensions, to insure erection suitable to conditions. All necessary erection material and fittings are included and adapted to actual floor and wall conditions of building.



FLUSH TOP (Pages 4, 5 and 6)



PANEL PARTITIONS (Pages 10, 11 and 12)



FLUSH PARTITIONS (Pages 7, 8 and 9)



FLUSH TOP PARTITION



A truly modern partition and door assembly without overhead rail or top anchoring structure, Ferro-metal Flush Top creates a new cooperative harmony with modern Class A building design of comfort facilities where sanitation can be encouraged, rather than demanded, through the harmony of color and equipment. A modern luxury loving public demands and can expect beauty and utility in public comfort rooms, as well as in its own modern bathroom in the home.

Toilet partitions make up such a large part of the wall area in toilet rooms that the apparent value of modern design is necessary to affect pleasing appearance. With the spirit of ever cooperating effort in the building industry, we offer this modern Flush Top Partition.

Construction

Solid and rigid construction without headrail or top support of any kind and a minimum number of floor connections, Ferrometal Flush Top partition assembly is basically dependent upon a three point suspension, made possible through the application of a rigid T

front on all dividing partitions and a solid mullion front on all end partitions.

T or mullion fronts are solidly anchored to floor with a heavy cast floor shoe anchored to floor with expansion shields. Floor shoes hold front partitions in place under a pressure, but without the necessity of drilling or tapping the T or mullion. Floor shoes for T or mullion connection is adjustable to allow for floor slope.

All dividing panels are anchored to walls with adjustable fittings to allow simple connection in tile or similar walls at joints without the necessity of drilling tile or wall material proper.

Dividing partition is rigidly connected to front T or mullion under screw tension.

To insure perfect rigidity in all circumstances, all partition T's, mullions, and doors are perfectly sealed against any moisture seepage along all edges with a neat rounded sanitary effect. All corners are perfectly mitered, welded and ground to a smooth conformity.

All wall and U connections are heavy drawn steel finished same as partitions.

All connections between wall and partition allow an opening of approximately 1 in. at rear wall and 1/2 in. on fronts for easy cleaning.

Flush Top T construction requires application with flush fronts and narrow doors (inswinging preferably). It is not recommended or intended to be used with a door the full width of the enclosure (see detail, page 6).

Appearance

All partition doors have a flush surface 1 in. thick of two sheets of 20 ga. steel filled and insulated with a corrugated fibre core assembled and glued in place under pressure. Edges of partitions and doors rounded and fully sealed against outside moisture seepage. T fronts and mullions and dividing panels internally reinforced at points of connection. No protruding screw heads on outside, but a complete uniformly thick, straight line, flush appearance along top and front assembly.

Doors of same flush construction but reinforced along hinge and strike edge.

Furnished in colors to harmonize with walls and floor. Can also be furnished in synthetic baked on metal primer allowing for final field coat finish. Shop finish, however, recommended. Shop finish is synthetic baked on enamel either in gloss or egg shell. (Rubbed finish can also be furnished if desired.)

All hardware items, including hinges and trim are brass chrome plated polished finish over nickel. Floor or anchoring shoe heavy cast nickel silver alloy brush finish to withstand corrosive action of cleaning compounds. (Can also be furnished in a chrome finish to match general hardware requirements.)

Heavy cast brass adjustable spring hinges add to the distinctive appearance to this assembly and assure this perfect appearance of the assembly as a whole at all times by keeping doors and partition in perfect alignment. Hinges have adjustable spring action which closes door lightly but positively.



FLUSH TOP SPECIFICATIONS

General

Toilet compartments shall be Ferrometal Flush Top as manufactured by the Milwaukee Stamping Co., Milwaukee, Wis. Doors, panels and stiles to be of flush construction, erected in place without posts or headrail. Hardware and fittings shall be included. All gauges specified are U. S. Standard for sheet steel and are the minimum acceptable for the work. All sizes as shown on blueprint or as hereinafter specified.

Construction

Panels, T's and mullion stiles shall be not less than 1 in. thick made of two sheets of 20 gauge pickled cold rolled stretcher leveled furniture steel with clean, smooth surfaces. The two sheets shall be completely filled with corrugated fibre core, cemented and assembled under pressure, combining sheets and filler into one solid slab. Edges of sheets shall be formed and interlocked on 4 sides with 20 gauge drawn steel moulding inserted under tension along entire outside edge sealing same into one continuous smooth surface. Moulding joints at corners to be mitred and welded in place and ground smooth to conformity of panel and moulding. Connecting edges of all partitions shall be adequately reinforced internally to rigidly support all partitions and fittings. The top of all dividing panels and front stiles shall be in a continuous alignment.

Front Filler Panel same construction as partition proper, to be free from floor connections and securely anchored to supporting wall with three stirrup fittings allowing a maximum $\frac{1}{2}$ in. opening between filler panel and wall.

Dividing panels to be rigidly connected to T and mullion front with special stirrup fitting held in place under tension. All connection between panels and mullions to allow a smooth front appearance without projecting bolt or nut heads.

Note: To allow for complete and easy cleaning a $\frac{1}{2}$ -in. opening between front and dividing partition is recommended.

Fittings

Floor shoes to be self draining type, of heavy cast nickel silver alloy, with full rounded smooth corners brush finish. Connection between stile and fitting to be adjustable to allow for variation in floor level. Fittings to be provided with two suitable anchoring webs sufficiently large to accommodate $\frac{3}{8}$ in. anchor bolts.

Note: Fittings to be anchored to floor with lead shield or similar anchoring device as required for floor conditions. Floor and sub-floor construction to be such that it provides solid and rigid anchoring facilities.

Heavy $\frac{1}{8}$ in. adjustable wall fittings of a U type stirrup construction shall be provided at top and bottom of all panels for securing panels to walls. They shall be through bolted to the panels and secured to wall with two bolts. They shall provide an opening of approximately 1 in. between panel and wall affording space for easy cleaning.

Doors

All doors to be not less than 1 in. thick of similar construction as shown for partitions. All doors to be internally reinforced before final assembly along hinge and strike edge to allow a rigid support for all hardware mounting. Top edges of all doors to be in a continuous alignment with front and dividing partition.

Hardware

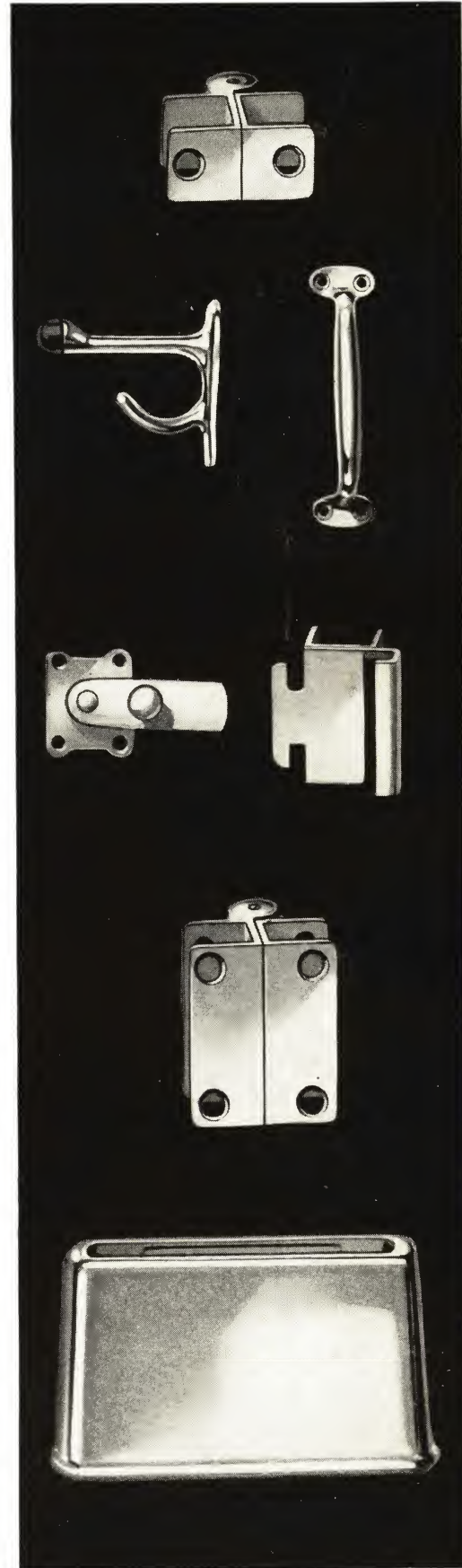
All doors to be provided with heavy cast brass chrome plated full surface adjustable spring hinges through bolted to partition and doors to allow maximum of $\frac{1}{8}$ in. opening between partition and door. Furnish heavy brass throw latch with keeper and bumper, cast brass door pull, combination coat hook and bumper; all to have full polished chromium plated finish.

Finish

All surfaces to be properly degreased and sanded before prime finish applied. All prime to be evenly applied and all parts to be of uniform shade. Zinc oxide primer to be baked on at 250°.

Final finish (if at factory) to be applied over smooth baked on prime finish. Coat to consist of synthetic baked enamel, medium gloss, color as selected. High gloss rubbed finish can be furnished at slight additional cost.

Final finish (if in field)—see painting specifications.





FLUSH TOP—CONSTRUCTION AND DETAILS

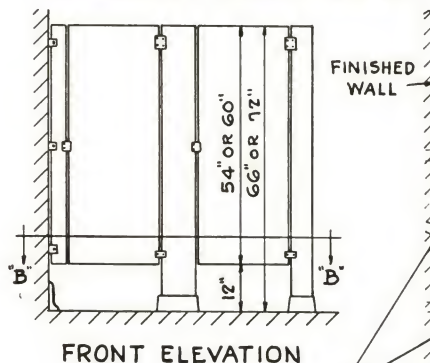
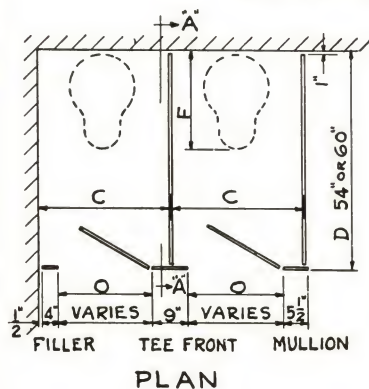
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19

Flush Top details illustrate T mullion and wall construction required in all Flush Top assemblies. This basic combination can be arranged to suit individual conditions and accommodate large or small batteries of enclosures as required. T's and mullions can be furnished in 5½ in. or 9 in. standard widths, front filler panel variable to accommodate variable dimensions. Doors furnished in variable sizes to accommodate opening dimensions suited to the T and mullion fronts, usual door opening dimension recommended

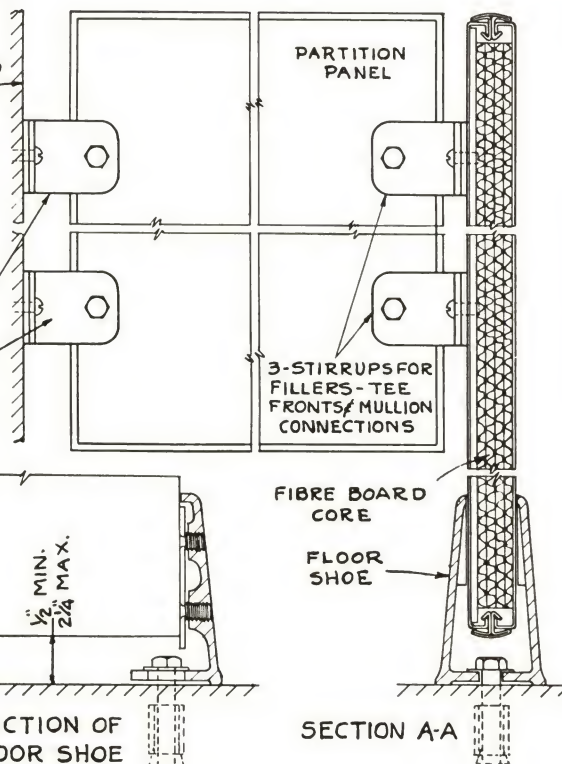
23 in. to 27 in. Front filler panel connection allows full clearance for wainscoting offset, bull nose or mop board projections without interference. All wall connections for fronts or dividing partition are solidly anchored to wall with adjustable stirrup fittings. Where installations are to be anchored to metal lath and plaster, wood studs or light composition walls it is necessary to reinforce with wood grounds at points where wall and partition connect.

DETAILS OF FLUSH TOP COMPARTMENTS

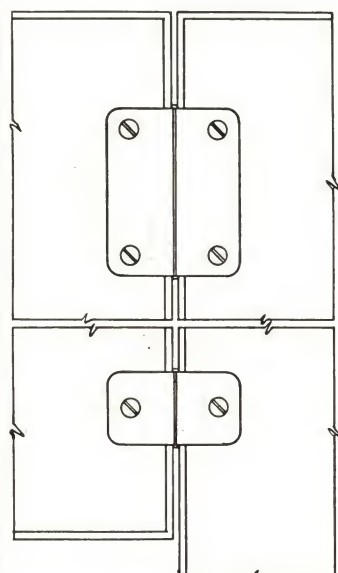
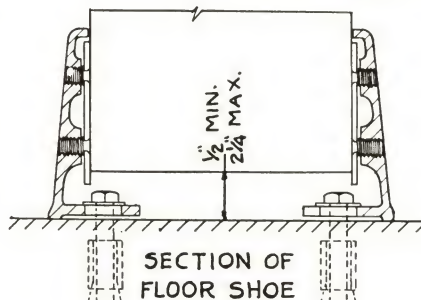
MILWAUKEE STAMPING CO.



2-STIRRUPS FOR REAR WALL CONNECTION.



FIXTURE CLEARANCES			
C	D	O	F
30"	54"	21"	32"
32"	54"	23"	30"
34"	54"	25"	28½"
36"	54"	27"	27"
30"	60"	21"	36"
32"	60"	23"	36"
34"	60"	25"	34½"
36"	60"	27"	33"



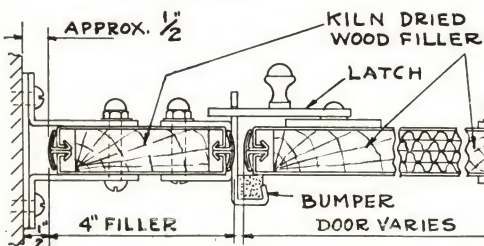
KILN DRIED WOOD FILLER

STIRRUP FITTINGS

FIBRE BOARD CORE

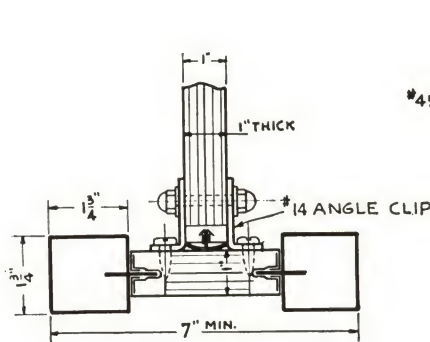
STIRRUP FITTINGS

STEEL REINFORCINGS

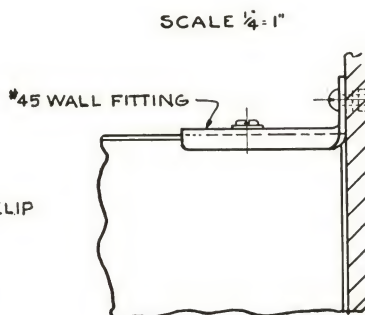


APPROX. 1"

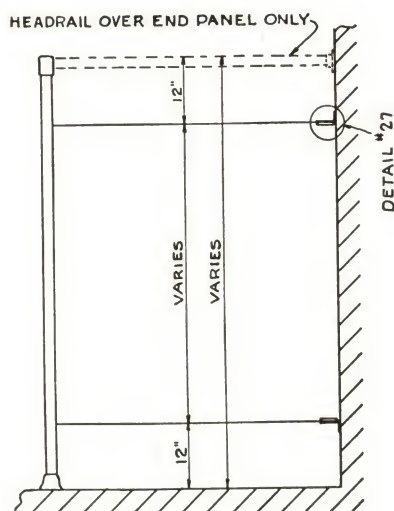
PLATE NO. G-11091



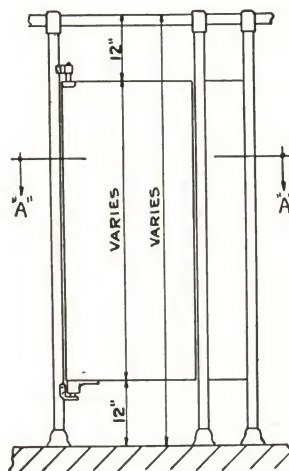
DETAIL #26
TEE CONSTRUCTION



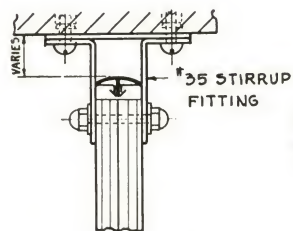
DETAIL #27
WALL CONNECTION



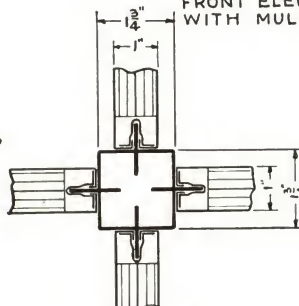
DETAIL #28
PANEL ELEVATION



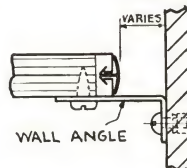
DETAIL #29
FRONT ELEVATION
WITH MULLION



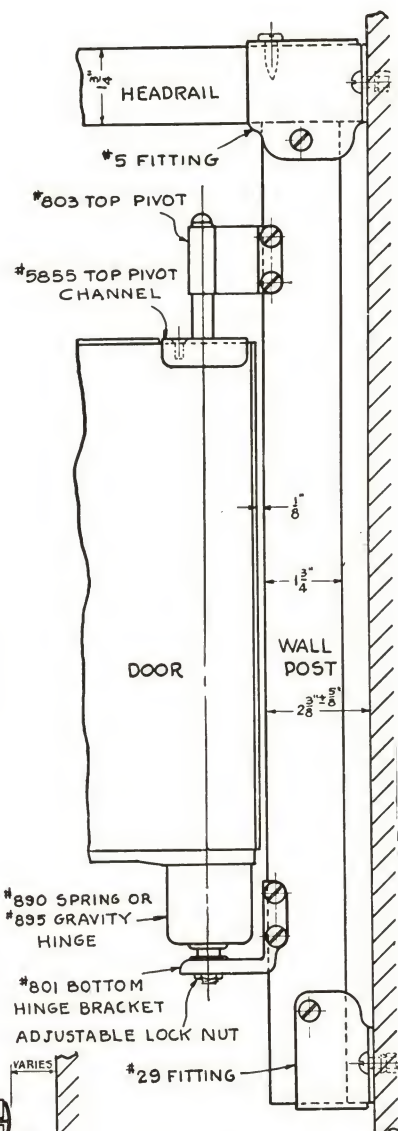
DETAIL #30
ALTERNATE WALL
CONNECTION



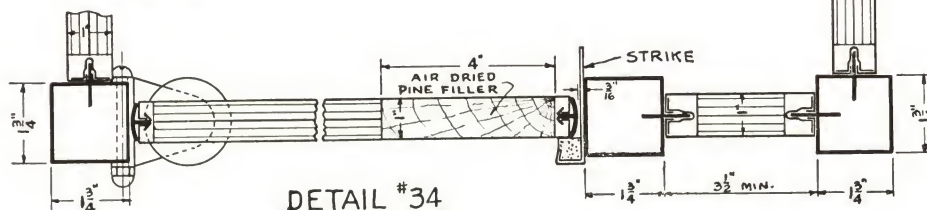
DETAIL #31
4-WAY CONNECTION



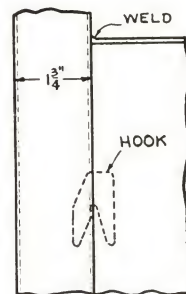
DETAIL #32
BACK CONNECTION
TO WALL



DETAIL #33
ADJUSTABLE WALL POST
CONSTRUCTION OF
DOOR ASSEMBLY



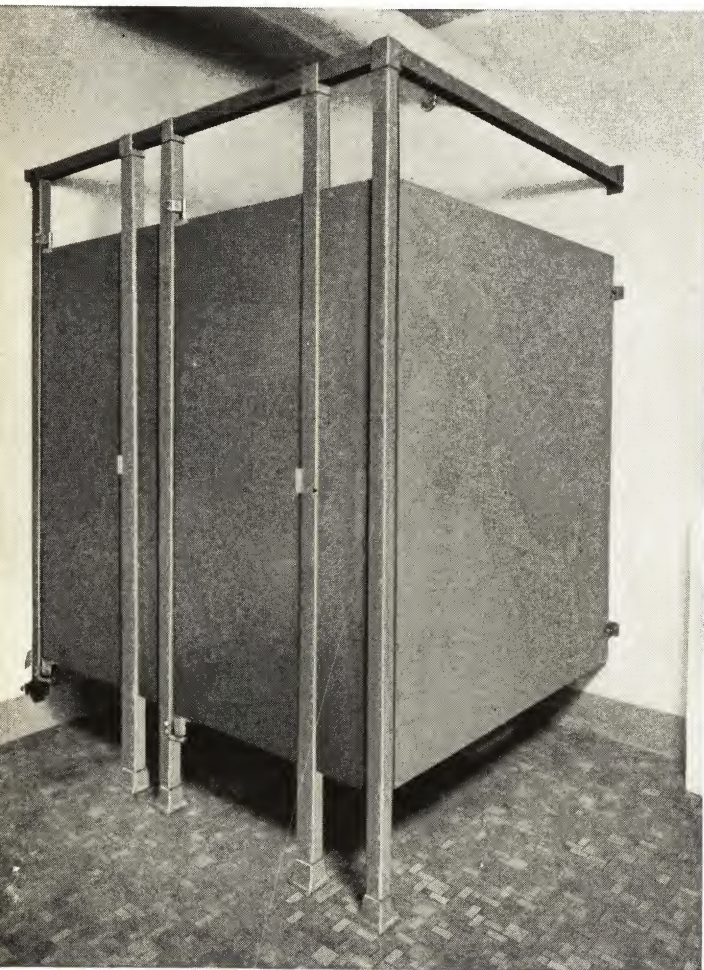
DETAIL #34
SECTION A-A



DETAIL #35
PANEL TO POST
CONNECTION



FLUSH STEEL AND ALUMINUM PARTITIONS



Modern, sanitary facilities and washrooms do not imply expensive installations and high upkeep, but are far less costly to provide and maintain than any other when proper equipment is selected. Ferrometal flush partitions are designed to meet amortization life of building at low upkeep. Partitions for washrooms, toilets, etc., should be selected on a basis of quality and appearance.

Ferrometal flush steel or aluminum enclosures are designed to meet these needs and are a better partition for this purpose because:

Full surface flush construction is easy to clean.

Full insulated assembled and sealed under pressure, producing partitions with a full flush surface free from wind or warp.

Provided with drawn fittings throughout guarantees maximum strength and light smooth appearance.

All partitions perfectly sealed to resist moisture seepage from the outside.

Finished in colors as specified. Finishing designed to withstand severest humidity conditions possible.

General

All toilet enclosures, dressing rooms, screens, etc., shown on plans are to be Ferrometal Flush partitions and doors as described and manufactured by the MILWAUKEE STAMPING Co., Milwaukee, Wis. All sizes are shown on blueprint or as hereinafter specified.

Construction

All partitions to be approximately 1 in. thick, made of two sheets of 20-gauge pickled cold rolled stretcher leveled furniture steel (or 18 gauge, B & S Aluminum) completely filled and insulated with a corrugated fibre core cemented and assembled under pressure to outside sheets, combining sheets and filler in one solid slab. Edges of sheets to be formed and interlocked with 20 gauge drawn steel moulding inserted under tension along outside edge thus locking the entire outer circumference in a continuous smooth surface. Corners of moulding to be mitered and welded in place at juncture and ground smooth to the conformity of partition and moulding.

Edges adjoining upright posts to be interlocked on inside with continuous 20 gauge locking bar with at least three protruding wedge hooks, locked and welded in place, to fit and lock under tension into slotted uprights when assembled. Partition and upright so assembled to be finally welded in place with all welds ground smooth. All partitions and doors 36 in. or less to be 22 gauge U. S. S. Steel or 20 gauge B & S Aluminum.

IMPORTANT: Flush construction is not recommended for shower enclosures for the following reasons:

- (1) Observations and tests indicate no suitable flush panel construction can be sealed uniformly and permanently against condensation.
- (2) Adaptable filler materials, while moisture-resistant, are not waterproof. Waterproof material will not resist condensation.
- (3) Water temperature changes are conducive to condensation inside flush panels. Only single panel construction is recommended for shower enclosures. (See page 10.)

Fittings

All posts and headrails are to be 1 3/4 in. square heavy drawn steel, 16 gauge U. S. S. or 14 gauge B & S Aluminum. Foot fittings are to be adjustable and of heavy drawn brass with a nickel plate finish. Foot fittings can be furnished in chrome polished finish or bright aluminum. All headrail fittings, wall or other connections are to be of heavy drawn rust-resisting steel with rounded smooth sanitary corners, free from holes and obstruction, finished same as color partitions.

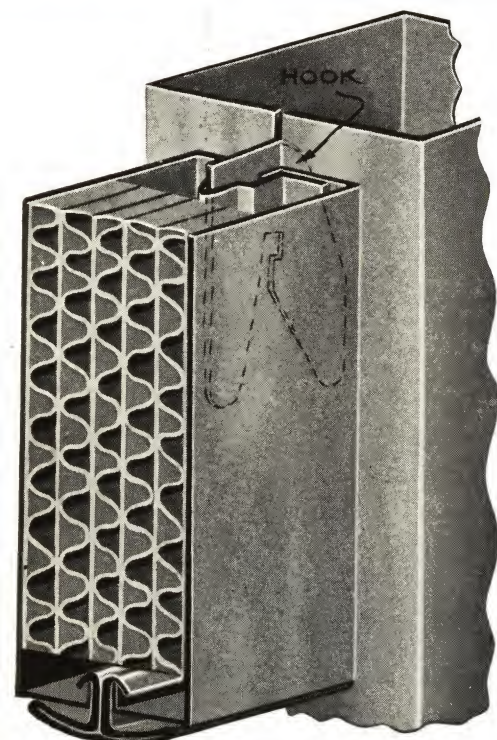
Finish

All surfaces to be thoroughly cleaned at factory with sandpaper and benzine and finished with a coat of rust-resisting zinc oxide primer baked on at 250° suitable to either a final lacquer finish or enamel coat after erection.

Final finish (if at factory) to consist of a high grade synthetic baking enamel baked on at 250° over a baked primer.

Final finish in field. (See painting specifications.)

Standard Finishes: Green or Light Grey. Special finishes and colors can be furnished at small additional cost.



TYPICAL FLUSH PARTITION SECTION



FLUSH STEEL AND ALUMINUM DOORS

Ferrometal Flush doors are designed to meet the requirements of present architectural designs and are also used to distinct advantage with material other than metal such as marble, glass, slate, etc. Doors can be furnished in steel, aluminum, monel metal or special alloys.

Ferrometal Flush doors are light weight, durable and economical in cost compared with doors of other materials. Doors are fully equipped with hinges and deep throated hinge brackets, designed to anchor securely and properly without difficulty or damage to partition walls such as glass or marble. Flush doors insure maximum quietness in operation and will not warp or buckle through constant operation.

Ferrometal flush doors have closed, rounded and sealed edges throughout, eliminating uneven surfaces for dirt and dust to settle or lodge. Flush doors offer a wide adaptability of color to match finishes required in today's architecture.

Furnished with Lawson-Milwaukee hinges and brackets adjustable to suit mounting requirements.

General

All metal doors for toilet enclosures, dressing rooms, entrance screens, etc., shown on plans are to be Ferrometal Flush doors as described and as manufactured by the MILWAUKEE STAMPING Co., Milwaukee, Wis. All sizes—as shown on blueprint or as hereinafter specified.

Construction

All doors to be approximately 1 in. thick made of two sheets of 22 gauge pickled cold rolled stretcher leveled furniture steel (or 20 gauge B & S alloy aluminum) completely filled and insulated with a corrugated fibre core cemented and assembled under pressure to outside sheets, combining sheets and filler into one solid slab. Edges of sheets to be die formed and interlocked with heavy 20 gauge drawn steel moulding inserted under tension along outside edge thus locking the entire outer circumference in a continuous smooth surface. Corners of moulding to be mitered and welded in place and ground smooth to the conformity of partition and moulding. A vertical stile $3\frac{1}{2}$ in. wide of air dried white pine is to be assembled and cemented into strike side of door in conjunction with fibre core and is to extend the entire inside height, completely filling space between surface sheets.

Note: The corrugated fibre filler and wood stile provides a door noiseless in operation, free of warp, wind, and void of hardware vibration.

Hardware

All doors are to be provided with heavy drawn brass nickel polished Lawson-Milwaukee Universal Self-closing Special Ball Bearing Gravity Pivot Hinge which allows for simple adjustment to any desired position open or closed.

(1) For doors mounted on metal partition top and bottom channel hinge brackets in a finish same as partitions to fasten to post with brass nickel plated through bolts and cap nuts.

(2) For doors mounted on marble or glass partition. Furnish adjustable brass nickel plated top and bottom hinge brackets to accommodate glass or marble thickness, to be provided with deep centered mounting holes and fasten to pilaster with brass polished nickel plated through bolts and cap nuts. Hinge brackets and strike to necessitate no notching in glass or marble and require maximum door clearance of $\frac{1}{8}$ in.

(3) Furnish heavy nickel plated brass throw latch, door pull, top pivot, coat hook, bumpers and strikes.

Hardware can be furnished in chrome over nickel if desired.

HARDWARE ITEMS INCLUDED WITH STANDARD FLUSH DOOR ON METAL ASSEMBLY (See page 15)

NO.	ITEM	FINISH*	NO.	ITEM	FINISH
5801	Bottom Hinge Bracket	Baked Enamel	5810	Coat Hook	Nickel Plate
5802	Top Pivot Channel	Baked Enamel	5882	Door Pull	Nickel Plate
5803	Top Pivot	Baked Enamel			
5895	Gravity Hinge	Nickel Plate	1983	Coat Hook and Bumper for	Nickel Plate
5888	Keeper	Nickel Plate	5885	inswing doors	Nickel Plate
				Throw Latch	Nickel Plate
5889	Strike and Bumper	Nickel Plate			

*Hardware indicated as nickel plate furnished in chrome plate at a slight additional charge. All items indicated in baked enamel furnished to match partition finish.

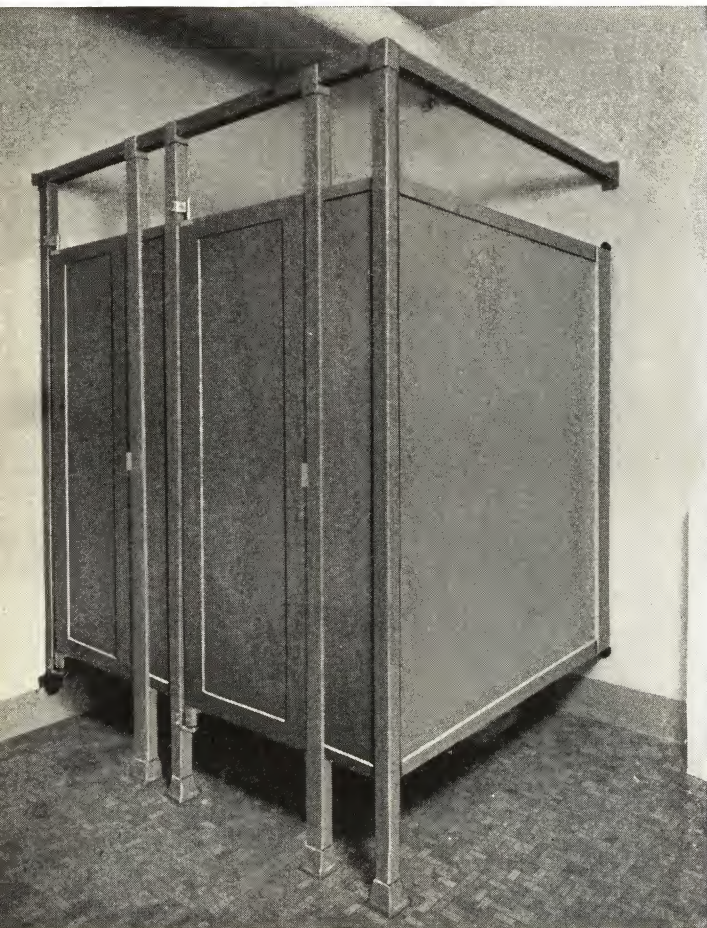
Hardware items included with standard flush door when assembled to marble, glass, or similar material include adjustable top and bottom hinge brackets suitable for gravity or pivot spring hinge. The 1902 full surface Lawson Milwaukee Lavatory Spring Hinge may also be used to an advantage with 1844 strike and bumper reversible and for both types in and outswinging doors.



TYPICAL
FLUSH DOOR SECTION



PANEL STEEL AND ALUMINUM PARTITIONS



Ferrometal Panel Partitions in Steel or in Aluminum are ideal for the sanitary facilities of all types of buildings and are recommended for toilet compartments, shower enclosures, dressing enclosures, entrance screens, sink enclosures, mop and equipment storage enclosures or any installation where sturdy, silent and sanitary construction is required.

Note: Ferrometal Panel Partitions are designed to suit building plan requirements at reasonable cost. They are attractive in appearance, designed to suit the trend of modern building requirements.

Ferrometal Panel Partitions are popular priced of unusually strong construction.

Sanitary features in Ferrometal design allow easy cleaning, and avoid all unnecessary fluting or moulding which might catch and hold dirt or dust. No open joints or buckling of panels possible.

The installation of Ferrometal Partitions is quickly made by experienced mechanics assisted by details that have been previously arranged. All Ferrometal Partitions are fabricated to exact job requirements based on actual field dimensions. All material furnished is numbered and labeled to facilitate erection.

Recommendation

The U. S. Department of Commerce, Bureau of Standards, recommends that standard size partitions and doors be used wherever possible. Doors the full width of the compartment help reduce the cost of installation. Inswinging doors are recommended generally and included in state and municipal building requirements in many localities, as they eliminate chance of injury through abrupt opening and also keep floor space in washroom clear at all times. (See chart on page 13 for recommended compartment sizes.)

General

All Toilet Enclosures, Dressing Rooms, Shower Enclosures, etc., shown on plans to be Ferrometal Panel Partitions and doors as described and as manufactured by the MILWAUKEE STAMPING CO., Milwaukee, Wis. All sizes as shown on blueprint or as hereinafter specified.

Construction

All partitions are to be furnished in 16 gauge first quality cold rolled stretcher leveled furniture steel or 14 gauge B&S aluminum with 2 1/4 in. sanitary ventilated hollow metal rail across top and bottom edges. Panel and rails to be completely inter-

locked with front and rear post and securely welded in place. Front and rear post to be 16 gauge drawn steel 1 3/4 in. square with sanitary shaped edges without panels or projections. All joints between posts, panel and rail are to be sanitary and homogenous.

Partitions 48 in. deep or less—panels are to be 18 gauge U. S. Standard steel or 16 gauge B&S aluminum. All posts and headrails are to be 1 3/4 in. square heavy drawn steel, 16 gauge U. S. Standard or 14 gauge B&S aluminum.

Note: Aluminum partitions are especially recommended for shower and similar enclosures. Have the same solid panel construction and front and rear post of same material. Aluminum partitions are made of special grey plate alloy half hard temper.

Fittings

Foot fittings to be adjustable and of heavy drawn rust-resisting steel finished to match partitions.

Note: Foot fittings can be furnished in brass with nickel or chrome finish, or bright aluminum, if desired.

All headrail fittings, wall connections or otherwise are to be of heavy drawn rust-resisting steel with rounded smooth sanitary corners free from holes and obstructions, finished same as partitions.

Doors

See opposite page.

Finish

All surfaces to be thoroughly cleaned at factory with sand paper and benzine and finished with a coat of rust-resisting synthetic primer baked on at 250° suitable to either a final lacquer finish, or enamel coat after erection.

Final finish (if at factory) to consist of high grade synthetic baking enamel baked on at 250° over a baked primer.

Final finish in field (See painting specification).

Standard Finishes: Green or Grey. Special finishes and colors can be furnished at small additional cost.



TYPICAL PANEL
PARTITION SECTION



PANEL STEEL DOORS

Metalclad panel doors furnished with all panel partitions offer an added value in this type of construction. Treated air dried white pine cores cross doweled into place solidly fill stiles and rails in each door. Stiles and rails as well as panel are made of heavy lead coated sheets to give an added protection to the entire assembly. The metalclad construction guarantees a definitely solid door free from warp and vibration. Solid rail and stile also keep hardware mountings solidly in place and avoid rattle and noise. Tests have definitely proven this door construction superior in every respect and perfect operation can be guaranteed.

The strong rugged construction of Ferrometal panel construction is especially suited and recommended for built up shower and dressing room assemblies. The possible arrangements with this type of partition are extensive, economical, and finally simple to maintain. Partitions for shower enclosures can be arranged on cement or terrazzo curb, dressing rooms on floor level, many derivations of this construction can be made on an economical basis. Write us for details regarding particular problems, with wide experience in furnishing this type of equipment we can offer suggestions for economical arrangements. We have developed finishes especially suitable for this purpose and recommend a factory finish on this type of equipment.



Construction

Doors to be Metalclad approximately 1 in. thick with 20 gauge lead coated steel panels. Stiles and rails to be 1 in. thick and 3½ in. wide all of 24 gauge leadcoated steel and reinforced with an air dried white pine core at least 1½ in. thick and 3¼ in. wide. Stiles and rails to have corners overlapped with a double thickness of steel, each offset so as to be flush and smooth with the surface of the stile. All wood reinforcing to be securely doweled with two dowel pins on each corner. Inner edge of door stile to be of a sanitary shape interlocking and insulating each door panel at least ¾ in. on all sides, joint between panel and stile to be completely and permanently sealed.

All doors are to be provided with Lawson Milwaukee Universal Self Closing Ball Bearing Gravity Hinge which allows for simple adjustment to any desired position open or closed. Hinge to be supported from formed channel top and bottom hinge brackets through bolted to posts with heavy through bolts and nickel plated cap nuts. Furnish heavy brass door bolt and door pull. Door strike to be heavy formed brass with rubber bumper, each door also to be furnished with rubber tipped coat hook. Standard hardware finish as listed, can be furnished in a chrome plated finish at a slight extra cost. (Further illustration page 15.)

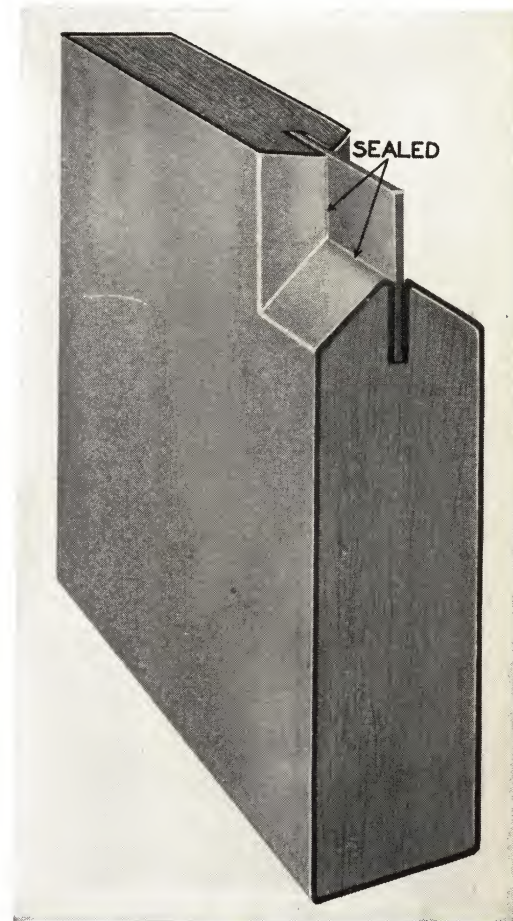
Finish

See partitions opposite page.

HARDWARE ITEMS INCLUDED WITH STANDARD PANEL ASSEMBLY (See page 15)

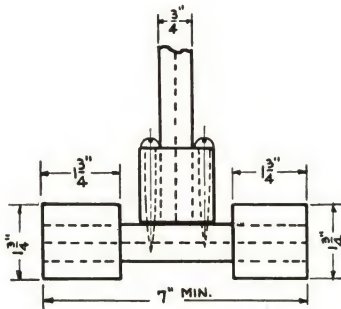
No.	Item	Finish	No.	Item	Finish
5801	Bottom Hinge Bracket	Baked Enamel	5810	Coat Hook	Nickel Plate
5802	Top Pivot Channel	Baked Enamel	5811	Coat Hook (inswing door)	Baked Enamel
5803	Top Pivot	Baked Enamel	5812	Door Pull	Nickel Plate
5895	Gravity Hinge	Nickel Plate	5835	Door Bolt	Nickel Plate
5806	Strike and Bumper (For inswing door)	Nickel Plate	5509	Roller Curtain Ring	Nickel Plate
5807	Strike and Bumper (For outswing door)	Nickel Plate	5519	Sliding Curtain Ring	Nickel Plate

NOTE: All items marked nickel plate furnished in Chrome Plate at slight extra cost. All items baked enamel furnished in synthetic baked enamel or prime to match partitions.

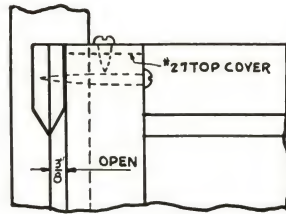


TYPICAL PANEL DOOR SECTION

SCALE $\frac{1}{4} = 1"$

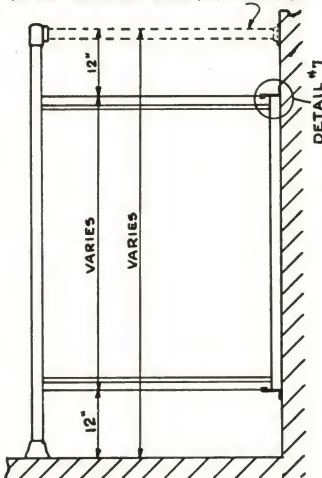


DETAIL #1
TEE CONSTRUCTION

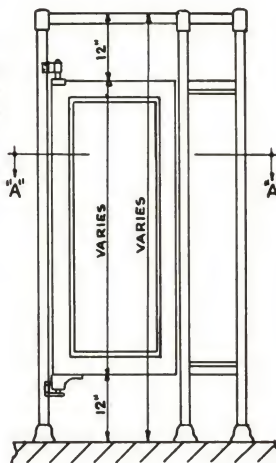


DETAIL #2
ELEVATION DETAIL #1

HEADRAIL OVER END PANEL ONLY



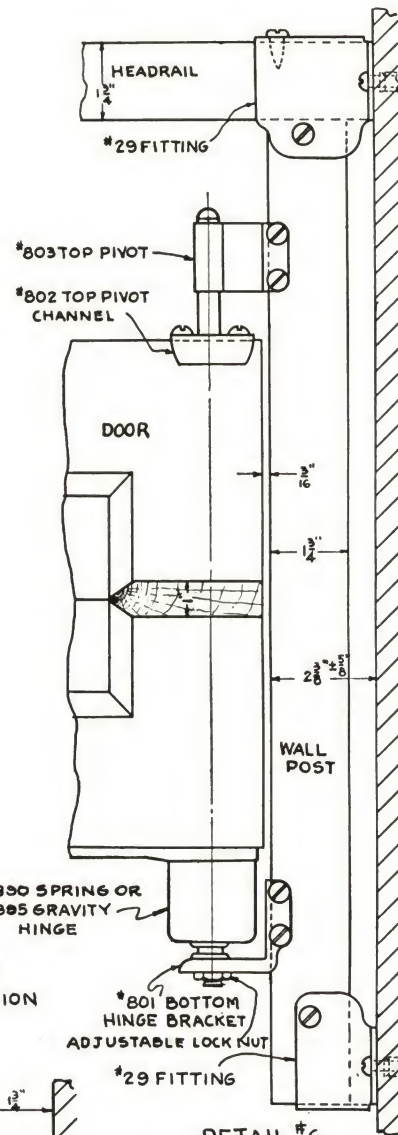
DETAIL #3
PANEL ELEVATION



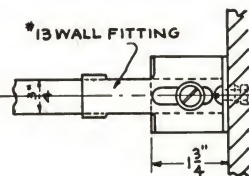
DETAIL #4
FRONT ELEVATION
WITH MULLION



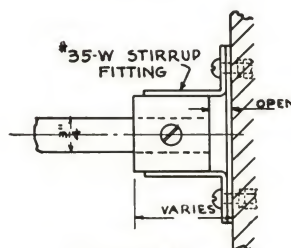
DETAIL #5
VERTICAL SECTION



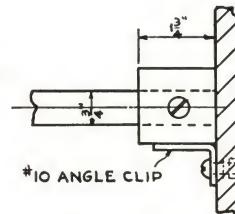
DETAIL #6
ADJUSTABLE WALL POST
CONNECTION



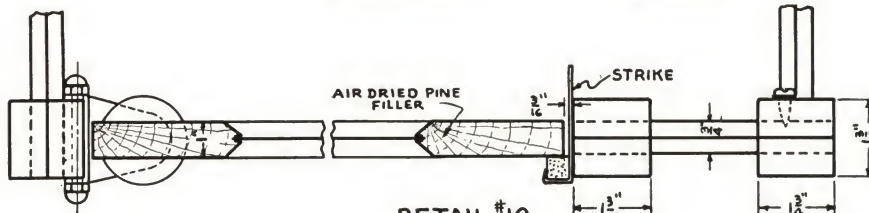
DETAIL #7
WALL CONNECTION



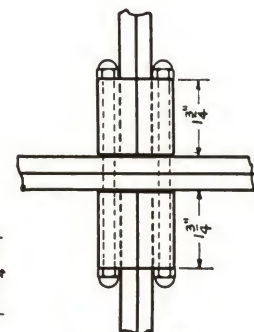
DETAIL #8
ALTERNATE WALL
CONNECTION



DETAIL #9
CONNECTION AT
WINDOW



DETAIL #10
SECTION A-A



DETAIL #11
4 WAY CONNECTION

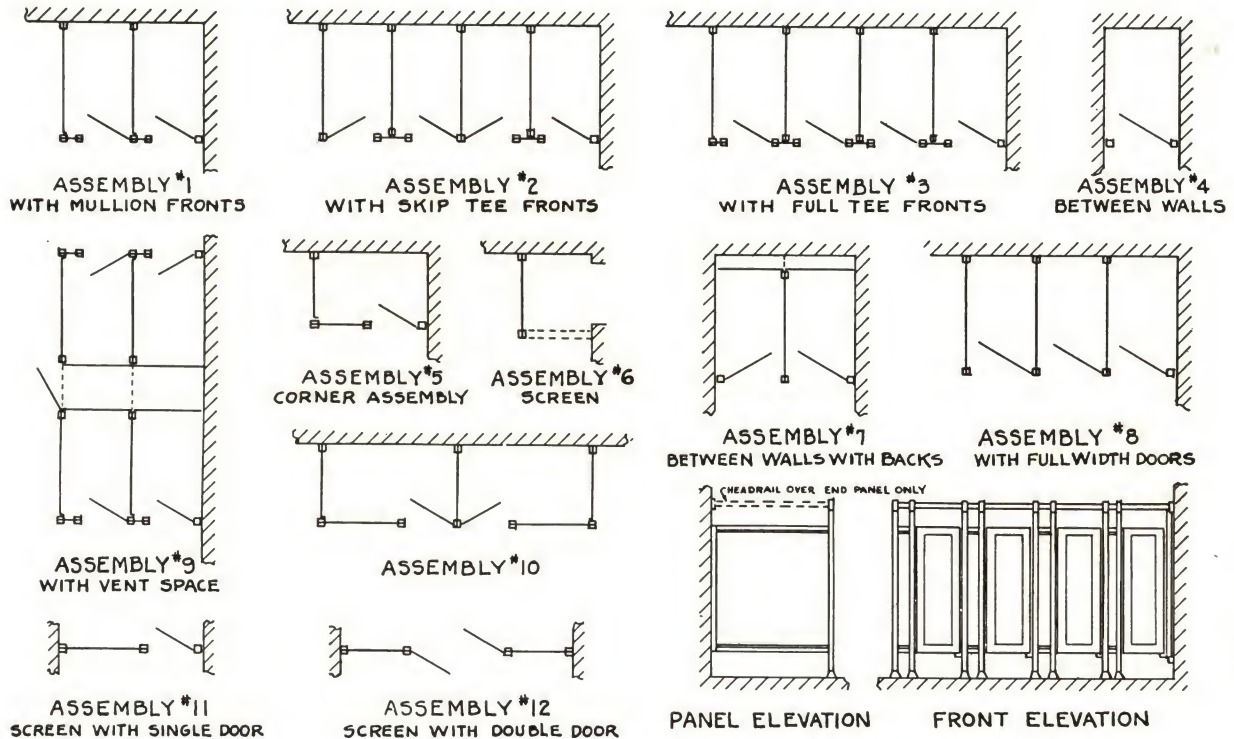
PLATE No. G-11076



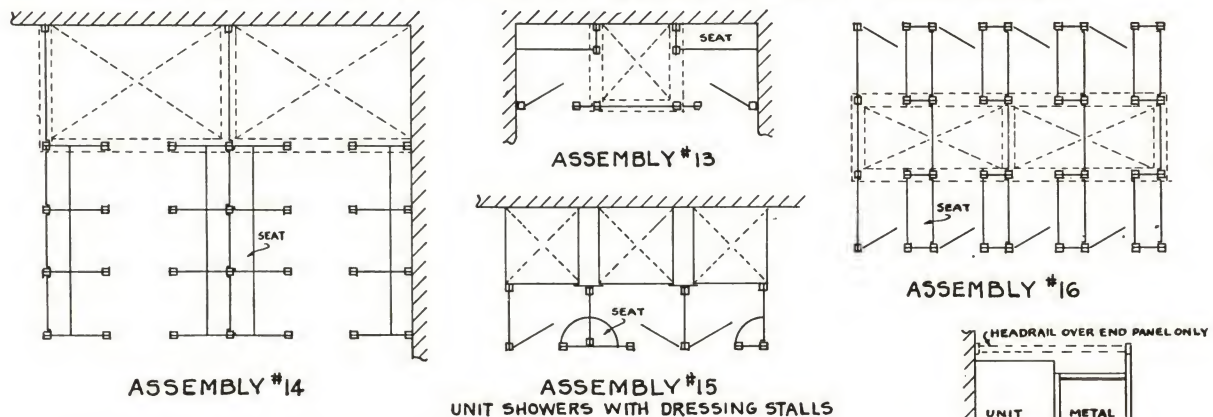
TYPICAL ASSEMBLIES

20
19

ALL ASSEMBLIES CAN BE FURNISHED WITH OUT-SWINGING DOORS

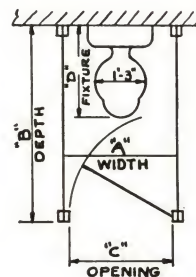


TYPICAL SHOWER AND DRESSING ROOM ASSEMBLIES



SIMPLIFIED PRACTICE RECOMMENDATION
FOR ASSEMBLIES USING FULL WIDTH DOORS

FOR SCHOOLS					
C. TO C. OF PARTITIONS OR FIXTURES	WIDTH OF DOORS	DEPTH OF PARTITION	WILL CLEAR OF FIXTURE PROJECTING	HEIGHT OF PARTITION	HEIGHT TO TOP OF HEADRAIL
30"	28"	54"	29"	54"	78"
32"	30"	54"	27"	54"	78"
34"	32"	54"	25 1/2"	54"	78"
36"	MAX. 34"	60"	29 1/2"	54"	78"
OTHER TYPE OF BUILDINGS					
30"	28"	60"	35"	60"	84"
32"	30"	60"	33"	60"	84"
34"	32"	60"	31 1/2"	60"	84"
36"	MAX. 34"	60"	29 1/2"	60"	84"





CUBICLE PARTITIONS FOR HOSPITALS



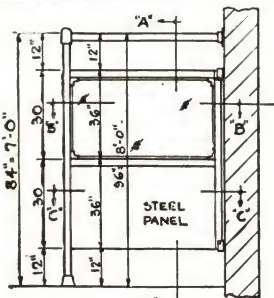
Hospitals have experienced a decided advantage of subdividing ward space with a Ferrometal Hospital Cubicle at a minimum outlay of capital.

Cubicle partitions act as a shield, eliminating direct draft, but still allow through ventilation. Top panel arranged for glass, allows maximum amount of light at all times and permits the close supervision of patients without additional help.

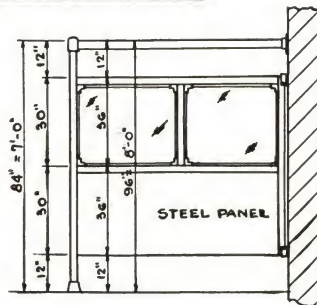
Ferrometal cubicle partitions are designed to suit individual ward requirements. They are furnished fully assembled and can be installed without the trouble or inconvenience usually found in making additions or alterations. They are fireproof, light in weight and of rigid construction.

To the Architect

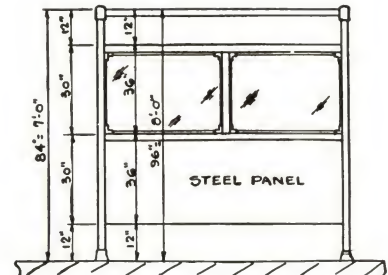
We offer the services of an Engineering Department familiar with this type of equipment, who are well able to make a particular study of your Hospital problem and offer equipment suitable for the particular problem.



STYLE #20
36" x 60" TO 60" x 72"



STYLE #30
60" x 60" TO 96" x 72"



STYLE #40
60" x 60" TO 96" x 72"

Specification

All cubicle dividing partitions shown on plans are to be (Ferrometal Flush) —(Ferrometal Panel) construction type as described and manufactured by the MILWAUKEE STAMPING COMPANY, Milwaukee, Wis. All sizes are shown on blueprint or are hereinafter specified.

General Construction, Fittings, etc.—Flush construction see page 8.

Panel construction, see page 10.

Color of Standard Finish—white, light grey or cream.

Note: Hard surface, smooth finish especially adapted to this type of installation allows for simpler sanitation.

Glass Openings

Furnish all glass openings with a snap on moulding for retaining glass. Snap on moulding to be 20 ga. hollow drawn steel fastened without screws to a formed steel channel held rigidly in place on all sides of the glass opening.

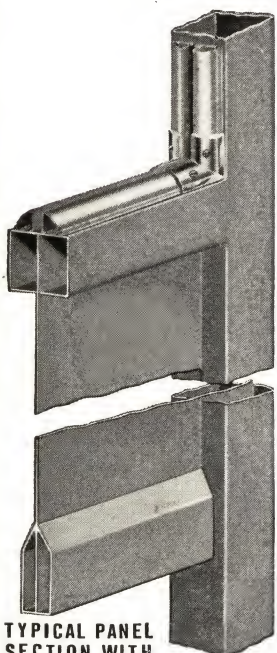
Snap moulding to retain the final assembly of glass in position. Corners of moulding to be neatly joined at corners with a chromium plated cast brass corner.

Glass and glazing by others. Recommended glass thickness $\frac{3}{8}$ in. minimum.

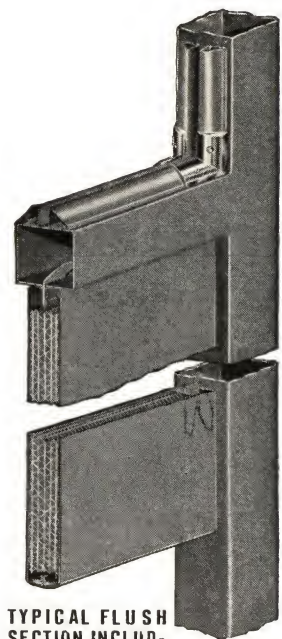
Note: All screws and bolts required in assembly do not project beyond surface of partition or fitting proper. All connection between wall and partition to allow at least $\frac{3}{4}$ in. opening for easy cleaning.

Electrical outlets for call buttons, etc., can be furnished at slight additional cost.

Curtains, if desired, can be furnished with roller ring fitting directly over the headrail.



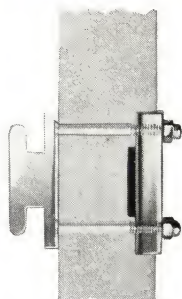
TYPICAL PANEL
SECTION WITH
POST TOP RAIL AND SNAP
MOULDING ASSEMBLY



TYPICAL FLUSH
SECTION INCLUD-
ING POST, TOP RAIL ASSEMBLY
WITH SNAP MOULDING IN PLACE



HARDWARE FOR ALL REQUIREMENTS



View of 5888 keeper and 5889 bumper — mounted



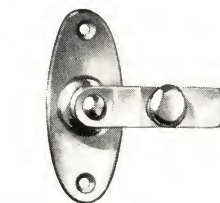
No. 5888 Keeper.



No. 5889 Bumper.



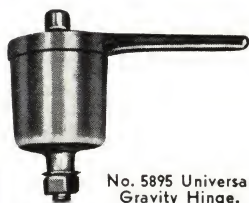
No. 5882 Plastic Door Pull.



No. 5885 Throw Latch.



View of 5885 latch and 5882 pull — mounted



No. 5895 Universal Gravity Hinge.



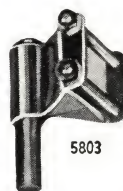
No. 5807 Strike for No. 5806 Strike for In-Outswinging Door.



No. 5806 Strike for Inswinging Door.



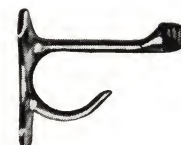
5801



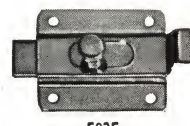
5803



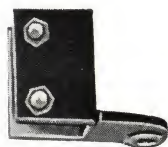
5802



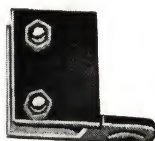
No. 1983 Coat Hook with Door Bumper.



5835



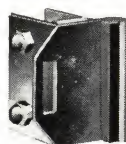
No. 21L27 Bottom Hinge Bracket for 5895.



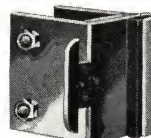
No. 22L27 Top Hinge Bracket for 5895.



No. 5860 Top Pivot Channel with No. 21L27.



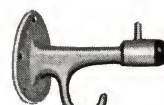
No. 1848 Strike and Bumper for Inswinging Door.



No. 1844 Strike and Bumper for Inswinging Door.



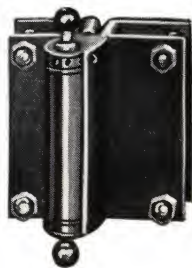
No. 5810 Coat Hook.



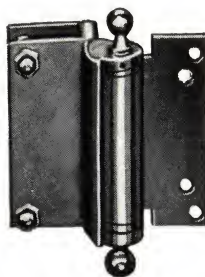
5811



No. 5812 Wrought Door Pull.



No. 1902 Full Surface Lavatory Spring Hinge.



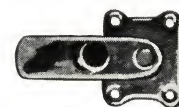
No. 1900 Half Surface Lavatory Spring Hinge.



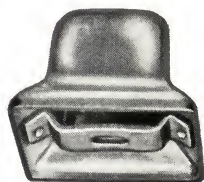
No. 400 Full Surface Adjustable Spring Hinge.



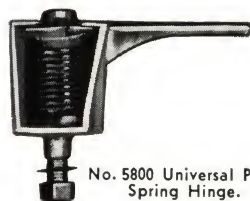
No. 1922 Full Surface Spring Hinge.



No. 1963 Throw Latch used with 1844-1845-846 or 849 Strike



5001



No. 5800 Universal Pivot Spring Hinge.



5504



5509



5519



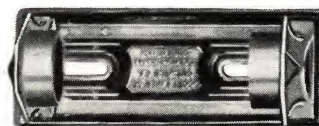
No. 5886 Hasp and Lock.



No. 5816 Latch



No. 5816 Cylinder Lock for Masterkeying.



5874



5876

PARTITION REPRESENTATIVES

MAIN OFFICE AND FACTORY

MILWAUKEE STAMPING CO. - MILWAUKEE, WIS.

CHICAGO OFFICE-150 NO. WACKER DRIVE

Alabama
BIRMINGHAM, D. P. Barrett Co., 320 Brown-Marx Building

Arizona
PHOENIX, Baker-Thomas, 300 So. 12th Street

Arkansas
LITTLE ROCK, Acoustical & Spec. Sales Co., 1108 Main Street

California
LOS ANGELES, Bradfield Building Prod. Co., 619 E. Third Street
SAN FRANCISCO, Honolulu Iron Works, 215 Market Street (Representants Hawaii)
SAN FRANCISCO, Parker-Carpenter, Inc., 991 Bryant Street
SANTA BARBARA, Ott Hardware Company

Colorado
DENVER, Rocky Mt. Archts. & Bldrs. Serv. Co., 410 California Building

Connecticut
BRIDGEPORT, George Kabureck, 477 State Street

District of Columbia
WASHINGTON, Harry Schnabel, 4316 15th Street, N. W.

Florida
CORAL GABLES, Fred Sargent, 737 Navarre Avenue
JACKSONVILLE, Lewis C. Trowbridge, 2785 Lydia Street
ORLANDO, A. N. Goodwin, P. O. Box 1104
TAMPA, J. E. Wood Co., P. O. Box 861
WEST PALM BEACH, Alexander Gordon, 3636 Paseo Navarro Street

Georgia
ATLANTA, L. E. Murray, 161 Spring Street Building
AUGUSTA, David Slusky & Son, 1009 Broad St.
MACON, Taylor Iron Works, Broadway & Oglethorpe Streets
SAVANNAH, J. H. Persse, 28 E. Bryan St.

Idaho
BOISE, J. G. Doerr, 501 So. Eighth Street

Illinois
CHICAGO, Milwaukee Stamping Co., 150 No. Wacker Drive
DANVILLE, Material & Fuel Co.
PEORIA, G. A. Clark, 522 Central National Bank Building
ROCKFORD, Capitol Ornamental Iron Works, 1012 Ninth Street
ROCK ISLAND, Rock Island Bridge & Iron Works
SPRINGFIELD, Peter Vredenburg Lbr. Co., Third and Jefferson Streets

Indiana
EVANSVILLE, G. L. Mesker & Co.
FT. WAYNE, Asbestos Insulating & Roofing Co., Inc., 111 E. Columbia St.
HAMMOND, Standard Equip. & Sup. Corp., 534 E. Michigan Avenue
INDIANAPOLIS, Stackhouse Bldg., Spec. Co., 823-826 Lemcke Bldg.
SOUTH BEND, South Bend Bldg. Spec. Co., 232½ Michigan Street

Iowa
BURLINGTON, Builders Woodwork Co., 516 Valley Street
CEDAR RAPIDS, E. E. Sovern Co., P. O. Box 615
DES MOINES, Hansen Metalkraft Co., Box 270, 3905 Amick Avenue
SIOUX CITY, Otto F. Bridge, 513 Jackson Street
WATERLOO, E. W. Watson, 411 W. Fifth Street

Kansas
KANSAS CITY, T. L. Bruton, 2918 Parkwood Boulevard
SALINA, Lee Hdwe. Co.
TOPEKA, Topeka Fdry. & Iron Works Co., 300 Jackson Street
WICHITA, Grabendike Eng. Sales Co., P. O. Box 333

Kentucky
LEXINGTON, G. L. Mesker & Co., P. O. Box 902
LOUISVILLE, R. B. Tyler, 1446 Levering Street

Louisiana
NEW ORLEANS, Nachary Bldrs. Sup. Co., 318 Carondelet Street
SHREVEPORT, Tri-State Bldg. Spec. Co., P. O. Box 1624

Maryland
BALTIMORE, W. F. Fowler, 1102 N. Charles Street

Massachusetts
BOSTON, Wills & Hill, 99 Bedford Street
SPRINGFIELD, H. Laurence Foster, 458 Bridge Street

Michigan
BATTLE CREEK, Michigan Woodwork & Spec. Co., P. O. Box 133
DETROIT, A. L. Oppenheimer, 2211 Woodward Avenue
GRAND RAPIDS, Grand Rapids Screen Co., Murray Building
SAGINAW, Koehler Brothers, 208 So. Water Street
TRAVERSE CITY, C. J. Samuelson & Sons, Inc., 301 Cass Street

Minnesota
DULUTH, H. D. Bullard, 410 Builders Building
MINNEAPOLIS, Geo. T. Warner, 126 So. Eighth Street

Mississippi
JACKSON, Clark Bldg. Material Co., John Hart Building

Missouri
ST. LOUIS, Building Products Co., 705 Chestnut Street
SPRINGFIELD, Kennedy Brick & Steel Co., 412 So. Jefferson Avenue

Montana
BILLINGS, Kennedy Bldg. Supplies Co., 123 N. 25th Street

Nebraska
OMAHA, Lumberman's Brick & Supply Co., 1214 Farnam Street

New Mexico
ALBUQUERQUE, A. C. Weigerding, P. O. Box 173

New York
ALBANY, Austin F. Loucks, Jr., 483 Central Avenue
BUFFALO, W. D. Shumway, 504 Crosby Building
NEW YORK, A. R. Nelson Co., 101 Park Avenue
ROCHESTER, S. A. Spencer, Bldrs. Exchange, 135 Spring Street
SYRACUSE, Thomas M. Agan, 205 Harrison Street

North Carolina
ASHEVILLE, Dave Steel Co.
CHARLOTTE, A. L. Simpson, P. O. Box 1672, 500 Hermitage Court
GREENSBORO, Carolina Steel & Iron Co.

Ohio
CINCINNATI, Al Levinson Co., Times Star Tower, Eighth and Broadway
CLEVELAND, Wm. C. Pfeider, Inc., Swetland Building
COLUMBUS, Howard S. Sterner Co., 30 E. Broad Street
DAYTON, Frank Kemper, 653 Reibold Building
LIMA, Building Accessories Co., 1702 W. High Street
TOLEDO, Spencer Comstock, Security Bank Building
YOUNGSTOWN, G. A. Doeright, Jr., 355 E. Wood
ZANESVILLE, Wise Foundry, Machine & Supply Co., 269 N. Sixth Street

Oklahoma
OKLAHOMA CITY, J. B. Klein Iron & Fdry. Co., Box 964

Oregon
PORTLAND, L. C. Allen, 1433 N. W. Glisan Street

Pennsylvania
ALTOONA, Altoona Pipe & Sup. Co., 2111 Beale Avenue
ERIE, Erie Concrete & Steel Sup. Co., 1301 Cranberry
HARRISBURG, C. H. Herschok, 1513 No. Cameron Street
PHILADELPHIA, Robert R. Mackay, 2206 Chestnut Street
PITTSBURGH, Scott & Haigh, Grant Building
SCRANTON, La Bar & Evans, 711 Linden Street

South Carolina
CHARLESTON, Carolina Supplies & Cement Co., Chappel and Washington Streets
COLUMBIA, C. W. Turner, 1321 Pendleton Avenue
GREENVILLE, W. Lindsay Smith, Allen Building

Tennessee
CHATTANOOGA, Nixon-Hasselle Co., 13th and Carter Streets
KNOXVILLE, R. G. Jeffries, P.O. Box 2023, 409 W. Clinch Avenue
MEMPHIS, Wittichen Lime & Cement Co., 1477 Lamar Boulevard
NASHVILLE, Geo. W. Ruth & Co., 506 Exchange Building

Texas
ABILENE, Abilene Brick Co., P. O. Box 241, 910 Hickory Street
DALLAS, J. L. O'Hearn Co., 630 Wilson Building
EL PASO, Neff-Stiles Co.
HOUSTON, EARL E. Jones, 329 M & M Building
SAN ANTONIO, John W. Phillips Co., Builders Exchange

Utah
SALT LAKE CITY, Steel Engineers Company, 1526 S. W. Temple

Virginia
RICHMOND, R. Massie Nolting, 1103 E. Main Street, Room 431
ROANOKE, C. C. Jacobs, % Roanoke Bldrs. Supply Co., 11 Franklin Road, S. W.

Washington
SEATTLE, Arthur A. Dally, 332 Pioneer Building

West Virginia
BLUEFIELD, J. W. Johnson, Box 719
CHARLESTON, Fireproof Prod. Co., 216 Professional Building

Wisconsin
EAU CLAIRE, General Bldg. Sales Co., 316 N. Farwell Street
GREEN BAY, Henry J. Martin, 337 N. Maple Avenue
WAUWATOSA, Wauwatosa Fuel & Supply Co., 7700 Harwood Avenue

For our catalogs on Bathe-Rite Shower Cabinets and Lawson-Milwaukee Builder's Hardware, see File Index